

ABSTRACT

A radar apparatus is provided in which an interpolated sweep between adjacent real sweeps is formed irrespective of an interval between the real sweeps, and image data corresponding to one cycle of sweeping can be certainly updated. A sweep azimuth generator 12 generates and outputs an azimuth of an interpolated sweep interpolated between a current real sweep azimuth and the previous real sweep azimuth based on the current real sweep azimuth and the previous real sweep azimuth, to a draw address generator 7. A sweep data generator 11 performs a linear interpolation process based on solitariness removed data of current real sweep data read from a sweep memory 4, and the previous solitariness removed real sweep data stored therein to generate and output interpolated sweep data between these real sweeps to an image memory 8. The image memory 8 stores the solitariness removed real sweep data or the interpolated sweep data based on the real sweep azimuth and the interpolated sweep azimuth from the draw address generator 7, and outputs them to a display 9 in accordance with raster scanning.